

### ABSTRACT OF THE DISCLOSURE

In a generator with indirect cooling, the stator has a core 12 comprising mutually spaced packets of core laminations, radial ducts 11 being defined between the packets for the passage of gaseous coolant between the inner and outer peripheries of the core. The core 12 has axial slots 18 which accommodate armature bars 16, 17. The stator incorporates baffles 19 arranged in such a manner that gaseous coolant flowing radially in a radial duct 11a from one periphery of the core enters a slot 18 adjacent the duct 11a and flows in a direction along the slot 18 before entering one of the radial ducts, in which it flows radially toward the other periphery of the core. Accordingly, heat from the bars 16, 17 primarily passes directly into the flowing gaseous coolant. The radial flow may be either inwards (as shown) or outwards.